

13. Water Availability



REQUEST FOR UTILITY REVIEW – WATER AVAILABILITY
 P. O. Box 8900 (8600 N.E. 117 Ave) Vancouver, WA 98668
 (360) 992-8022 Email: wateradmi@clarkpud.com

APPLICANT INFORMATION

DATE: 2/20/2019

NAME Michael Andreotti
 ADDRESS 9600 NE 126th Avenue
 CITY Vancouver STATE WA ZIP 98682
 TELEPHONE (360) 882-0419 EMAIL andreottim@aks-eng.com

Notification Method: Email Type of Development: Subdivision
 Number of Units: 39

Property Location

Serial Acct. No 62965242, 209055-000 & 209059-000
 Property Address 33105 NE Ivy Ave. La Center (or nearest cross street)
 Property Size 14.37 ACRES Required Fire Flow _____ GPM

PLEASE SUBMIT PLAT MAP WITH REQUEST

GENERAL CONDITIONS FOR SERVICE (CPU Staff Only)

Clark Public Utilities is the water purveyor for this site. Within E 2nd Street, there is an existing 8" C-900 PVC water main. Within E Ivy Avenue, there is an existing 2" CL-200 PVC water main running along the West frontage which connects to an 8" C-900 PVC water main that connects at E 4th Street. There appears to be an existing domestic water service located along the West property frontage. There are multiple fire hydrants located adjacent to the development site within E Ivy Avenue and E 2nd Street. See attached Clark Public Utilities (CPU) water distribution map and as-built documents for reference.

The fire flow in the near vicinity has not been recently calculated but is anticipated to 1,000 GPM at 20 PSI. Static water pressure is expected to vary, around 75 psi depending on site elevation, system demand and reservoir levels. If updated fire flow calculations are required, please contact Water Services at (360) 992-8022.

For this development, plan to connect to the existing 8" water main within E 2nd Street and extend a minimum 8" water main through the proposed development. Within E Ivy Ave, connect to the existing 8" water main and extend a new 8" water main south through the project frontage improvements limits. If fire protection is required, install a minimum 8" water main. If fire protection is not required, a minimum 4" water main may be acceptable (i.e. within cul-de-sacs). Install proper fire protection (i.e. hydrants and building sprinkler systems) as required by the governing Fire Marshal. Any existing, unused services shall be properly capped and abandoned. All water mains and services (up to the meter) located within private property, shall be included in an easement granted to Clark Public Utilities.

Proper state approved backflow devices will be required for all domestic, fire and landscape water services. All hot taps shall be performed by a Utility approved contractor. The Developer is responsible for costs associated with the service and fire protection installation, right-of-way permitting, and any other needed water improvements.

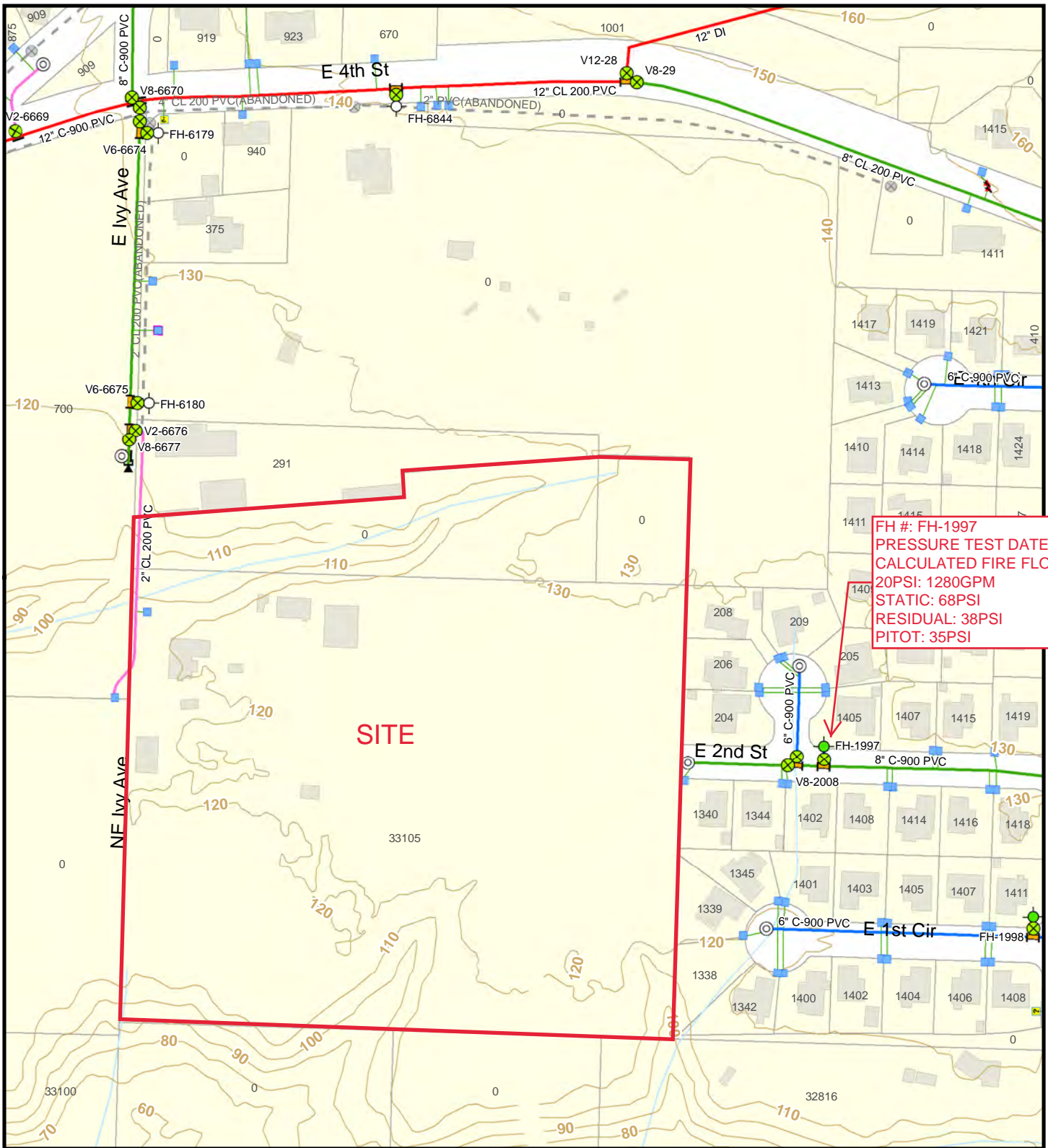
Submit full engineering plan set for further requirements and comments.

- Licensed Civil Eng. Drawing Required for Clark Public Utilities approval prior to construction
 Easement Required
 Clark Public Utilities has the capacity to serve, if the above conditions are met
 Developer/Owner shall pay County Right-of-Way fees based on off-site improvements

Review comments are subject to modification during detailed plan check and review.

This utility review is valid for six months after the date of signature below.

REVIEWED BY  DATE 02/25/2019
 Nick Flagg, PE



FH #: FH-1997
 PRESSURE TEST DATE: 1998
 CALCULATED FIRE FLOW AT 20PSI: 1280GPM
 STATIC: 68PSI
 RESIDUAL: 38PSI
 PITOT: 35PSI

Legend

Unknown	8"	Butterfly, Closed	Air Release	Cross	Reservoir	Fire Flow At 20psi
2"	10"	Butterfly, Open	Check	Tee	Booster Pumping Station	Not Tested
3"	12"	Gate, Closed	Double Check	Cap and Thrust Block	Satellite Well	1 - 499
4"	14"	Gate, Open	Blow Off	Reducer	Production Well	500 - 999
6"	16"	Abandoned Valve	Pressure Regulating Valve	Coupling		1000 - 1499
Water Service		Water Meter	Valve Book	Tapping Sleeve		1500 - 7981

1 inch = 200 feet

Clark Public Utilities
 CUSTOMER SERVICE, CUSTOMER-FRIENDLY

OPERATIONS MAP

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MAP NUMBER
4102-N